

a.) Amendments to the Claims

Claims 1-3 (Cancelled).

4. (Previously Presented) An isolated or purified protein comprising the amino acid sequence represented by SEQ ID NO:1.

5. (Previously Presented) An isolated or purified protein comprising an amino acid sequence in which at most 20 amino acids are deleted, replaced or added in the amino acid sequence represented by SEQ ID NO:1, said protein having a β 1,3-galactosyltransferase activity.

Claims 6-13 (Cancelled)

14. (Previously Presented) A method for producing a protein according to claims 4 or 5, comprising:

culturing a transformant harboring a recombinant DNA encoding said protein in a medium to produce and accumulate said protein in culture, and recovering the protein from the culture.

15. (Currently Amended) A method for producing a galactose-containing carbohydrate, comprising:

~~selecting, as an enzyme source, a culture of the transformant~~
~~harboring a recombinant DNA encoding a protein according to claim 4 or 5 or a treated~~
~~product of the culture, said culture or treated product of the culture containing said protein,~~
~~allowing the enzyme source protein according to claim 4 or 5,~~
uridine-5'-diphosphogalactose and an acceptor carbohydrate which has
N-acetylglucosamine at its non-reducing end terminal to be present in an aqueous medium
to produce and accumulate the galactose-containing carbohydrate in the aqueous medium,
and
recovering the galactose-containing carbohydrate from the aqueous
medium.

Claims 16-17 (Cancelled).

18. (Previously Presented) The method according to claim 15, wherein the
acceptor carbohydrate is *N*-acetylglucosamine or lacto-*N*-triose II.

19. (Previously Presented) The method according to claim 15, wherein the
galactose-containing carbohydrate is lacto-*N*-biose or lacto-*N*-tetraose.

Claims 20-24 (Cancelled)

25. (Previously Presented) The method according to claim 14, wherein

said recombinant DNA comprises a vector.

26. (Previously Presented) The method according to claim 25, wherein said transformant is a microorganism.

27. (Previously Presented) The method according to claim 26, wherein said microorganism belongs to the genus *Escherichia*.

28. (Previously Presented) The method according to claim 27, wherein said microorganism is *Escherichia coli*.

Claims 29-32 (Cancelled).